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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| | | | |
|---|--|------------------------|-------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | | Application No. | 10/000,229 |
| | | Filing Date | November 30, 2001 |
| | | First Named Inventor | Rajen Dias |
| | | Group Art Unit | 2811 |
| | | Examiner Name | Not Assigned |
| Total Number of Pages in This Submission | | Attorney Docket Number | 42390P12897 |

| ENCLOSURES (check all that apply) | | |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"><ul style="list-style-type: none">- Request for Correction- Copy of Filing Receipt- Return Receipt Postcard</div> |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual name | Paul A. Mendonsa, Reg. No. 42,879 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature | |
| Date | February 5, 2002 |

| CERTIFICATE OF MAILING/TRANSMISSION | | | |
|--|--------------------------|------|-------------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on: February 5, 2002 | | | |
| Typed or printed name | Deborah L. Higham | | |
| Signature | | Date | February 5, 2002 |

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**FEE TRANSMITTAL
for FY 2002**

Patent fees are subject to annual revision.

Complete if Known

| | |
|----------------------|-------------------|
| Application Number | 10/000,229 |
| Filing Date | November 30, 2001 |
| First Named Inventor | Rajen Dias |
| Examiner Name | Not Assigned |
| Group/Art Unit | 2811 |
| Attorney Docket No. | 42390P12897 |

COPY OF PAPERS
ORIGINALLY FILED☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

METHOD OF PAYMENT (check one)
☐ Check ☐ Credit card ☐ Money Order ☐ Other ☒ None
☐ Deposit Account
Deposit
Account
Number

02-2666

Deposit
Account
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below ☐ Credit any overpayments
- ☐ Charge any additional fee(s) during the pendency of the application
- ☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION**1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 101 | 740 | 201 | 370 | Utility filing fee | |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 510 | 207 | 255 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | (\$) | |

2. EXTRA CLAIM FEES

Total Claims 28 - 28* = 0 x 18.00 = \$0.00

Independent Claims 4 - 4* = 0 x 84.00 = \$0.00

Multiple Dependent

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|---|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 | |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 | |
| 104 | 280 | 204 | 140 | Multiple Dependent claim, if not paid | |
| 109 | 84 | 209 | 42 | **Reissue independent claims over original patent | |
| 110 | 18 | 210 | 9 | **Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | (\$) | 0.00 |

**or number previously paid, if greater. For Reissues, see below

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension for reply within second month | |
| 117 | 920 | 217 | 460 | Extension for reply within third month | |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | |
| 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentional | |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | |
| 143 | 460 | 243 | 230 | Design issue fee | |
| 144 | 620 | 244 | 310 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

SUBMITTED BY

Name (Print/Type) Paul A. Mendonsa

Registration No.
(Attorney/Agent)

42,879

Telephone

(503) 684-6200

Signature

Date

02/05/02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

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Atty. Docket No. 042390.P12897



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Dias, et al.

Application No.: 10/000,229

Filed: November 30, 2001

For: Backside Metallization on Sides of
Microelectronic Dice for Effective
Thermal Contact with Heat Dissipation
Devices

Examiner: Not Assigned

Art Group: 2811

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to: **Office of Initial Patent Examination's Customer Service Center**, Assistant Commissioner for Patents, Washington, DC 20231 on:

Date of Deposit: February 5, 2002

Name of Person Mailing: Deborah L. Higham

Signature: _____ Date: _____

**Office of Initial Patent Examination's
Customer Service Center**
Assistant Commissioner for Patents
Washington, DC 20231

COPY OF PAPERS
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REQUEST FOR CORRECTED FILING RECEIPT

Dear Sir:

Enclosed is a copy of the official Filing Receipt for the above-referenced patent application with errors noted thereon in red.

The following title is listed incorrectly:

Listed as: Backside Metallizationon Sides of Microelectronic Dice for Effective
Thermal Contact with Heat Dissipation Devices

Should be: Backside **Metallization on** Sides of Microelectronic Dice for Effective
Thermal Contact with Heat Dissipation Devices

PLEASE GENERATE ANOTHER FILING RECEIPT INCORPORATING THE REQUESTED CORRECTIONS.

THANK YOU.

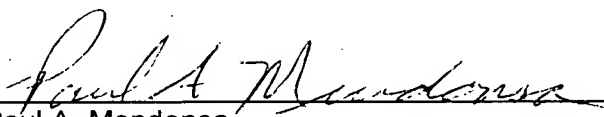
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If any additional fee is required, please charge Deposit Account No. 02-2666. A Fee Transmittal is enclosed in duplicate for deposit account charging purposes.

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP

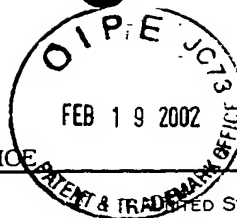
Date: FEB 5, 2002


Paul A. Mendonsa
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12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA 90025
(503) 684-6200



UNITED STATES PATENT AND TRADEMARK OFFICE

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COMMISSIONER FOR PATENTS

BLAKELY, SOKOLOFF TAYLOR & ZAFMAN LLP

WASHINGTON, DC 20231

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| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO. | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|------------------|----------|------------|------------|
| 10/000,229 | 11/30/2001 | 2811 | 968 | 42390P12897 | 10 | 28 | 4 |

CONFIRMATION NO. 9231

08791

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR
LOS ANGELES, CA 90025

FILING RECEIPT



OC000000007331585

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Date Mailed: 01/18/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Rajen Dias, Phoenix, AZ;
Biju Chandran, Chandler, AZ;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 01/18/2002

Projected Publication Date: 06/05/2003

Non-Publication Request: No

Early Publication Request: No

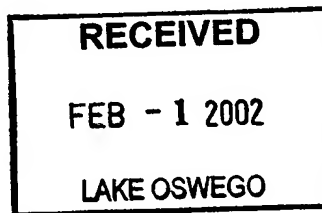
Title

METALLIZATION ON

Backside metallization on sides of microelectronic dice for effective thermal contact with heat dissipation devices

Preliminary Class

257



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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**



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